

Title (en)

OPPOSED PISTON TYPE DISK BRAKE CALIPER

Title (de)

SCHEIBENBREMSSATTEL MIT GEGENÜBERLIEGENDEN KOLBEN

Title (fr)

ÉTRIER DE FREIN À DISQUE DU TYPE À PISTONS OPPOSÉS

Publication

**EP 3553339 A4 20200610 (EN)**

Application

**EP 17877722 A 20171207**

Priority

- JP 2016239006 A 20161209
- JP 2017044005 W 20171207

Abstract (en)

[origin: EP3553339A1] A belt-like rib (12) that extends in a peripheral direction is provided to the outer surface, in the axial direction, of an outer body (3a). The inner diameter side sections of the bottoms of outer cylinders (18a, 18b) at the outer diameter side and the outer diameter side sections of the bottoms of outer cylinders (19a, 19b) at the inner diameter side, all the cylinders being provided to the outer body (3a) so as to be separated into two stages in the radial direction, are covered with the belt-like rib (12) from outside in the axial direction so as to traverse along the peripheral direction. The outer diameter side sections of the bottoms of the outer cylinders (18a, 18b) at the outer diameter side and the inner diameter side sections of the bottoms of the outer cylinders (19a, 19b) at the inner diameter side are made to protrude from the belt-like rib (12) in the radial direction.

IPC 8 full level

**F16D 65/02** (2006.01); **F16D 55/228** (2006.01)

CPC (source: EP US)

**F16D 55/228** (2013.01 - EP US); **F16D 65/0068** (2013.01 - EP); **F16D 65/02** (2013.01 - US); **F16D 65/0977** (2013.01 - EP); **F16D 2055/0016** (2013.01 - EP); **F16D 2055/002** (2013.01 - US); **F16D 2250/0007** (2013.01 - EP US)

Citation (search report)

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- [X] EP 2738414 A2 20140604 - AKEBONO BRAKE IND [JP]
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- [AD] JP 2010078055 A 20100408 - AKEBONO BRAKE IND
- [A] WO 2011077471 A1 20110630 - FRENI BREMBO SPA [IT], et al
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Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

**EP 3553339 A1 20191016**; **EP 3553339 A4 20200610**; **EP 3553339 B1 20221026**; CN 110088495 A 20190802; CN 110088495 B 20210212; JP 2018096402 A 20180621; JP 6794238 B2 20201202; US 11162550 B2 20211102; US 2019316641 A1 20191017; WO 2018105694 A1 20180614

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